

STATE OF COLORADO

REGISTRATION COMMISSION

RESOURCES

File one copy for Federal and Indian lands.
File in duplicate for State lands.

RECEIVED

WELL FILE

Amended 11/22/86

NOV 24 1986

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO.	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR MURFIN DRILLING COMPANY		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 250 North Water, Suite 300 Wichita, Ks. 67202		8. FARM OR LEASE NAME COLORADO STATE	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1900' fEL 2000' fSL of SE/4 Sec. 20-19S-47W At top prod. interval reported below At total depth same		9. WELL NO. 1-20	
NAME OF DRILLING CONTRACTOR		10. FIELD AND POOL, OR WILDCAT Nee No She	
14. PERMIT NO. 86-409		12. COUNTY Kiowa	
DATE ISSUED 7-7-86		13. STATE Colo	
15. DATE SPUDDED 9-25-86	16. DATE T.D. REACHED 10-05-86	17. DATE COMPL. (Ready to prod.) 11-16-86 (Plug & Abd.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 3980 KB 3985 KB
19. ELEV. CASINGHEAD	20. TOTAL DEPTH, MD & TVD 5030'		
21. PLUG, BACK T.D., MD & TVD 4955'	22. IF MULTIPLE COMPL., HOW MANY --	23. INTERVALS DRILLED BY --	24. ROTARY TOOLS Surface-TD
25. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) Top Morrow Sand 4721 4724-40' Morrow Sand B/Sand 4765			26. WAS DIRECTIONAL SURVEY MADE see back
27. TYPE ELECTRIC AND OTHER LOGS RUN Neut.; Cyberlook; CN/Lithodensity			
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24#	373'	12-1/4"
4 1/2"	10 1/2#	4999'	7 7/8"
		100 sx lite + 75 sx Class C	
		1st stage: 125 sx. 50-50 Pozmix	
		2nd stage: 400 sx. 50-50 Pozmix	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	4658'		
31. PERFORATION RECORD (Interval, size and number)			
All 4 spf: 4724-34' 4734-36' 4736-38' 4738-40' 4748-4754			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
4724-40'		200 gal. MSRI00	
4724-40'		500 gal. MSRI23	
33. PRODUCTION			
DATE FIRST PRODUCTION ---		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) -----	
WELL STATUS (Producing or shut-in) Shut in.			
DATE OF TEST 11/18/86	HOURS TESTED 24	CHOKE SIZE 15/64"	PROD'N. FOR TEST PERIOD ---
OIL—BBL. ---	GAS—MCF. 901	WATER—BBL. 43	GAS-OIL RATIO ---
FLOW. TUBING PRESS. 725	CASING PRESSURE 0	CALCULATED 24-HOUR RATE ---	OIL—BBL. ---
GAS—MCF. 901	WATER—BBL. 43	OIL GRAVITY-API (CORR.) ---	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
L.O. Butner, Western			
SIGNED By: <u>L.O. Butner</u>		TITLE <u>Division, Prod. Mgr.</u>	
DATE <u>11/20/86</u>			

See Spaces for Additional Data on Reverse Side

11-22-86

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DST #1: 4030-4055 (Straddle)- Misrun			
DST #2: 4727-4776			
Rec: 490' GCW			
HP: 2397-2376, SIP: 1071-1071, FP: 970-980/1021-1031			
Core #1: 4715-4745			
Core #2: 4745-4775			
Directional Surveys:	3/4° @ 373'	2095'	
	1° @ 4072		
	1-3/4° @ 4715'		
	1-1/4° @ 5030'		

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
LOG TOPS		
DAY CREEK	1601	
STONE CORRAL	2123	
B/STONE CORRAL	2162	
NEVA	2865	
TOPEKA	3360	
LKC	3602	
MARMATON	4037	
FT SCOTT	4139	
CHEROKEE	4184	
ATOKA	4424	
MORROW SHALE	4620	
MORROW MARKER	4640	
SAND	4721	
B/SAND	4765	
LOWER MORROW	4868	
ST. GEN	4908	
ST. LOUIS	4946	
SPERGEN	4992	
LTD	5024	
RTD	5030	